

AMENDMENTS TO THE CLAIMS

Please amend the claims to read as follows:

1. (Currently amended) A blade (19) for a stator (11) of a variable-geometry turbine (1), particularly for aircraft engines; said stator comprising a supporting structure (14, 15); said blade comprising an airfoil profile (20) hinged to said supporting structure (14, 15) to rotate about an axis (24) inside a conduit (18) and comprising a pressure front wall (30) and a suction rear wall (29);

two end walls (34, 35) located at opposite ends of said airfoil profile (20), with respect to a direction parallel to said axis (24), and cooperating in sliding manner with said supporting structure (14, 15); and

cooling means (74) for cooling said end walls (34, 35); said cooling means (74) comprising a number of holes (68) for the passage of a cooling fluid from an inner cavity (39) of said blade (19) and guide means (44, 45) for guiding a stream (F1) of cooling fluid inside said blade (19) and tangentially to at least one of said end walls (34, 35);

characterized in that said holes (68) have respective outlets (69) close to an outer edge (70, 71) joining at least one of said end walls (34, 35) and said front wall (30).
2. (Currently amended) A blade as claimed in claim 1, characterized in that the outlets (69) of said holes (68) are formed in at least one of said end walls (34, 35).
3. (Original) A blade as claimed in claim 2, characterized in that the outlets (69) of said holes (68) are formed in a line parallel to said outer edge (70, 71).
4. (Cancelled)
5. (Currently amended) A blade as claimed in claim ~~[[4]]~~ 1, characterized in that said guide means (44, 45) define an inlet (48, 51) and an outlet (68) in such positions as to cause said stream (F1) of cooling fluid to flow in the opposite direction with respect to an external

tangential stream (F2) of cooling fluid, which, in use, flows from said holes (68) towards said rear wall (29).

6. (Currently amended) A blade as claimed in claim 5, characterized in that said guide means (44, 45) comprise at least one further end wall (44, 45) facing at least one of said end walls (34, 35); said at least one end wall (34, 35) and said at least one further end wall (44, 45) defining between them a substantially tangential passage (62) having an outlet (68) coincident with said holes, and an inlet (48, 51) formed in said further end wall (44, 45).
7. (Currently amended) A blade as claimed in claim 6, characterized in that said at least one further end wall (44, 45) comprises an intermediate portion (47), and a first and second end portion (49, 50) located on opposite sides of said intermediate portion (47) and adjacent to said rear wall (29) and said front wall (30) respectively; said second end portion (50) having no openings.
8. (Original) A blade as claimed in claim 7, characterized in that said inlet (48, 51) comprises first holes (51) formed in said first end portion (49) and in a row substantially parallel to said rear wall (29).
9. (Original) A blade as claimed in claim 8, characterized in that said inlet (48, 51) comprises second holes (48) formed in said intermediate portion (47) and in a row substantially parallel to the chord of said airfoil profile (20).
10. (Currently amended) A blade as claimed in claim 6, characterized in that said at least one further end wall (44, 45) forms part of an insert (41) housed in said inner cavity (39).
11. (Original) A blade as claimed in claim 10, characterized in that said insert (41) comprises two lateral walls (55, 54) facing said front wall (30) and said rear wall (29) respectively, and forced onto respective supporting portions (56) on said front and rear walls (30, 29); each said lateral wall (55, 54) defining a chamber (59) with the relative said front or rear wall (30,



Serial No.: 10/604,620

Confirmation No.: 1619

Applicant: Paolo Lorenzo Ciacchi et al.

Atty. Ref.: 12693.0023.00US00

29); and separating means (56) being provided to separate said chamber (59) from said passage (62).

12. (Original) A blade as claimed in claim 11, characterized in that said separating means (56) comprise two ribs (56) integral with said front (30) or rear (29) walls and defining said supporting portions.

13. (Original) A blade as claimed in claim 1, characterized in that said holes (68) are formed in directions substantially parallel to said axis (24).